



TROPICAL CYCLONE BULLETIN NR. 10

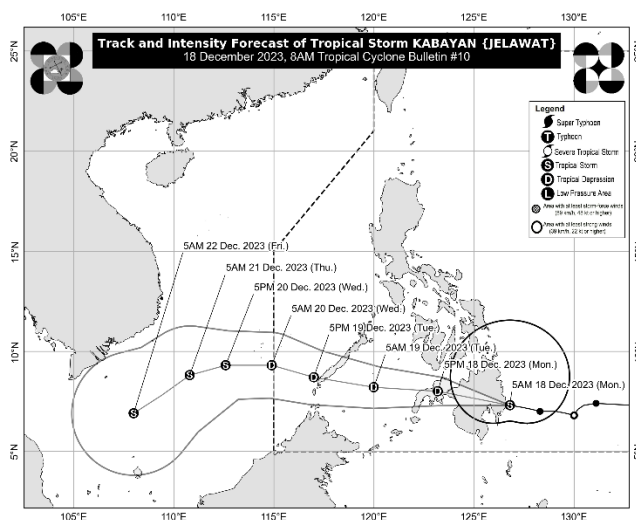
Tropical Storm KABAYAN (JELAWAT)

Issued at 8:00 AM, 18 December 2023

Valid for broadcast until the next bulletin at 11:00 AM today.

“KABAYAN” MAINTAINS ITS STRENGTH OVER THE WATERS EAST OF DAVAO ORIENTAL.

Location of Center (7:00 AM)
The center of Tropical Storm KABAYAN was estimated based on all available data over the coastal waters of Manay, Davao Oriental (7.2°N, 126.7°E)
Intensity
Maximum sustained winds of 65 km/h near the center, gustiness of up to 80 km/h , and central pressure of 1002 hPa
Present Movement
Westward at 20 km/h
Extent of Tropical Cyclone Winds
Strong to gale-force winds extend outwards up to 420 km from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 5:00 PM 18 December 2023	8.0	123.2	In the vicinity of Midsalip, Zamboanga del Sur	55	TD	WNW 35
24-Hour Forecast 5:00 AM 19 December 2023	8.2	120.0	370 km West of Dipolog City, Zamboanga del Norte	45	TD	W 30
36-Hour Forecast 5:00 PM 19 December 2023	8.7	117.0	Over the coastal waters of Rizal, Palawan	45	TD	W 30
48-Hour Forecast 5:00 AM 20 December 2023	9.3	114.9	205 km South Southeast of Pag-asa Island, Kalayaan, Palawan or 425 km West of Puerto Princesa City, Palawan (OUTSIDE PAR)	55	TD	WNW 20
60-Hour Forecast 5:00 PM 20 December 2023	9.3	112.6	270 km Southwest of Pag-asa Island, Kalayaan, Palawan or 680 km West of Puerto Princesa City, Palawan (OUTSIDE PAR)	65	TS	W 20
72-Hour Forecast 5:00 AM 21 December 2023	8.8	110.8	880 km West of Southwestern Luzon (OUTSIDE PAR)	75	TS	WSW 15
96-Hour Forecast 5:00 AM 22 December 2023	6.9	108.0	1,555 km West of Western Mindanao (OUTSIDE PAR)	65	TS	SW 15

Prepared by: *PCDM*

Checked by: *RPG*



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
2 Wind threat: Gale-force winds	-	-	Dinagat Islands, Surigao del Norte including Siargao and Bucas Grande Islands, Surigao del Sur, the northern portion of Agusan del Norte (Kitcharao, Jabonga, Santiago, City of Cabadbaran, Remedios T. Romualdez, Tubay), the eastern portion of Agusan del Sur (Trento, Bunawan, San Francisco, Rosario, Prosperidad, City of Bayugan, Sibagat), and the northern portion of Davao Oriental (Boston, Cateel)
	Warning lead time: 24 hours Range of wind speeds: 62 to 88 km/h (Beaufort 8 to 9) Potential impacts of winds: Minor to moderate threat to life and property		
1 Wind threat: Strong winds	The southern portion of mainland Palawan (Sofronio Española, Brooke's Point, Bataraza, Balabac, Rizal, Quezon, Narra) and Cagayancillo Islands	Southern Leyte, Leyte, the southern portion of Samar (Basey, Santa Rita, Marabut, Talalora, Villareal, Pinabacdao), the southern portion of Eastern Samar (Maydolong, City of Borongan, Quinafondan, Guiuan, Lawaan, Balangiga, Llorente, Giporlos, Salcedo, Balangkayan, General Macarthur, Hernani, Mercedes), Cebu including Camotes and Bantayan Islands, Bohol, Siquijor, Negros Oriental, Negros Occidental, and Guimaras	The rest of Agusan del Norte, the rest of Agusan del Sur, the central portion of Davao Oriental (Baganga, Manay, Caraga, Tarragona, Lupon, Banaybanay), Davao de Oro, Davao del Norte, Davao City, Camiguin, Misamis Oriental, Bukidnon, Misamis Occidental, Lanao del Norte, Lanao del Sur, the northern portion of Maguindanao del Norte (Buldon, Barira, Matanog, Parang, Sultan Kudarat, Sultan Mastura), the northern portion of Cotabato (Arakan, Carmen, Banisilan, Alamada, President Roxas, Kabacan, Matalam, Antipas, Magpet, Libungan, Pigkawayan), the northern and central portions of Zamboanga del Norte (Siayan, Sindangan, Jose Dalman, Manukan, Pres. Manuel A. Roxas, Sergio Osmeña Sr., Katipunan, Dipolog City, Polanco, Mutia, Piñan, Dapitan City, Sibutad, La Libertad, Rizal, Siocon, Baliguian, Gutalac, Labason, Kalawit, Tampilisan, Liloy, Salug, Godod, Bacungan), Zamboanga del Sur, Zamboanga Sibugay
	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Forecast accumulated rainfall for today

- **100-200 mm:** Surigao del Sur, Surigao del Norte, Dinagat Islands, Agusan del Sur, Davao del Norte, Davao de Oro, and Davao Oriental.
- **50-100 mm:** Central Visayas, Biliran, Leyte, Southern Leyte, Zamboanga del Norte, Northern Mindanao, Davao City, Cotabato, Lanao del Sur, the southern portions of Samar and Eastern Samar, and the rest of Caraga, Davao Oriental, Davao de Oro, and Davao del Norte.

Forecast accumulated rainfall for tomorrow

- **50-100 mm:** Mainland Palawan, Cuyo Islands, Cagayancillo Islands, and Kalayaan Islands

Forecast rainfall are generally higher in elevated or mountainous areas. Under these conditions, **flooding and rain-induced landslides are likely** especially in areas that are highly or very highly susceptible to these hazards as identified in hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.

In addition, the Shear Line coinciding with the passage of KABAYAN may bring heavy rainfall over the eastern portion of Southern Luzon. For more information, refer to Weather Advisory No. 4 issued at 11:00 PM yesterday and 24-Hour Public Weather Forecast and Outlook at 4:00 AM today.

Severe Winds

The wind signals warn the public of the general wind threat over an area due to the tropical cyclone. Local winds may be slightly stronger/enhanced in coastal and upland/mountainous areas exposed to winds. Winds are less strong in areas sheltered from the prevailing wind direction.

- **Minor to moderate impacts** from gale force winds may occur within any of the areas where Wind Signal No. 2 is hoisted
- **Minimal to minor impacts** from strong winds are possible within any of the areas under Wind Signal No. 1.

The surge of the Northeast Monsoon will bring also **gusty conditions** for the next 2 days over the following areas not under any Wind Signal, especially in coastal and upland/mountainous areas exposed to winds:

- **Today and Tomorrow:** Most of Luzon and Visayas

HAZARDS AFFECTING COASTAL WATERS

Under the influence of the Northeast Monsoon surge and Tropical Storm KABAYAN, a Gale Warning is in effect for the coastal waters along the seaboard of Northern Luzon, the eastern and central seaboards of Visayas, and the eastern seaboards of Central Luzon, Southern Luzon, and Mindanao. **Sea travel is risky for small seacraft (including all motor bancas of any type or tonnage). Mariners of these vessels are advised to remain in port or seek safe harbor.** For more information, refer to Gale Warning No. 5 issued at 5:00 AM today.

Outside the coastal waters under Gale Warning, moderate to rough seas are likely over the western seaboards of Central (1.5-3.5 m) and Southern Luzon, the western and northern seaboards of Mindanao, and the remaining seaboard of Visayas (1.25-3.0 m). **Mariners of motor bancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigating in these conditions, especially if inexperienced or operating ill-equipped vessels.**



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TRACK AND INTENSITY OUTLOOK

- **Hazards such as severe wind and heavy rainfall may be experienced in areas that are not close to the track forecast. Refer to the “Hazards affecting land areas” for more detailed information.**
- A southward shift in the track forecast has been observed. KABAYAN is forecast to track generally westward or west northwestward path across the Philippine archipelago over the next two days.
- On the track forecast, KABAYAN will likely to make landfall as a tropical storm along the coast of Davao Oriental this morning. It will then cross the rugged terrain of Mindanao, and emerge over the Sulu Sea between this afternoon and evening. Due to frictional effects associated with landfall, KABAYAN is forecast to be downgraded into a tropical depression, and the possibility of being further downgraded into a low pressure area while over land or after emerging over the sea is not ruled out (although in such a case, re-development may still occur over the Sulu Sea).
- Afterwards, KABAYAN will move across the Sulu Sea south of Cagayancillo Islands. The tropical cyclone is forecast to make another landfall over central or southern Palawan as a tropical depression by tomorrow morning or afternoon, then emerge over the West Philippine Sea shortly thereafter. KABAYAN may pass near or over Kalayaan Islands between tomorrow evening and Wednesday morning.
- **The current track and intensity forecast may still change given the nature and strength of this tropical cyclone.**

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 8:00 AM today.

DOST-PAGASA

Prepared by:  PCDM

Checked by:  RPG